

Table 1: 18.A

ideal pillbox						
Section	radius (m)	length (m)	freq (MHz)	ncavs	Epk* (MV/m)	Veff (MV)
b1	0.570	0.373	201.25	4	6.40	2.07
b2	0.570	0.373	201.25	8	6.00	1.94
b3	0.570	0.373	201.25	8	8.00	2.59
1.1-1.3	0.570	0.466	201.25	68	15.48	5.76
2.1-2.3	0.570	0.559	201.25	74	16.72	6.71
match	0.570	0.559	201.25	22	16.72	6.71
b1 402.5 MHz	0.285	0.186	402.5	2	6.40	1.03
b2 402.5 MHz	0.285	0.186	402.5	4	8.00	1.29
Omega cavities						
b1	0.607	0.405	201.25	4	7.41	2.07
b2	0.607	0.405	201.25	8	6.95	1.94
b3	0.607	0.405	201.25	8	9.27	2.59
1.1-1.3	0.607	0.405	201.25	68	20.62	5.76
2.1-2.3	0.615	0.483	201.25	74	23.06	6.71
match	0.615	0.483	201.25	22	23.06	6.71
b1 402.5 MHz	0.308	0.288	402.5	2	6.57	1.03
b2 402.5 MHz	0.308	0.288	402.5	4	8.21	1.29

\* note: Kilpatrick number is about 15 MV/m at 201.25 MHz